IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Jin-Woo KIM

SERIAL NO.:   09/868,474

FILED   :   June 15, 2001

FOR   :   HUMAN CERVICAL CANCER PROTOONCOGENE AND
                PROTEIN ENCODED THEREIN

EXAMINER: Sean McGarry   Art Unit: 1635

Commissioner for Patents.
Washington, D.C. 20231

AMENDMENT

Sir:

In response to the Office Action dated Jan. 29, 2003 it is respectfully requested that the above-captioned application be amended as follows:

In the Claims:

Please amend claims 1, 2, 4, 7, 8 and 10 as follows, written in a "clean" format:

1.   A human cervical cancer 1 protooncogene having the base sequence of SEQ ID NO:1.

2.   A human cervical cancer 1 protooncogene having a base sequence corresponding to base Nos. 9 to 1088 of SEQ ID NO:1.

3 4.   A vector comprising the protooncogene of claim 1.

6 7.   A process for preparing the protein having the amino acid sequence of SEQ ID NO: 2 by culturing the microorganism of claim 5.

8.   A kit for diagnosis of cancer which comprises the protooncogene of claim 1.

10.   An anti-sense gene having a base sequence which is complementary to the

sequence of the mRNA transcribed from the protooncogene of claim 1 and

being capable of binding the mRNA to inhibit the expression of said

protooncogene.

Please cancel claim 12 without prejudice thereto.

Please amend claims 13-16 as follows, written in a "clean" format:

13.   A process for preparing the protein having the amino acid sequence of SEQ

ID NO: 2 by culturing the microorganism of claim 5.

14.   A kit for diagnosis of cancer which comprises the protooncogene of claim 2.

15.   An anti-sense gene having a base sequence which is complementary to the

sequence of the mRNA transcribed from the protooncogene of claim 2 and

being capable of binding the mRNA to inhibit the expression of said

protooncogene.

Please cancel claim 16 without prejudice thereto.

Please add new claims 17-19 as follows, written in a "clean" format:

17.   A vector comprising the protooncogene of claim 2.

18.   A microorganism transformed with the vector of claim 13.